

Abstract

Described is a high-energy pyrotechnic composition which as a fluorine-supplying oxidation agent contains fluorinated spherical, carbocyclic cage molecules for example of the general formula $(CR^F)_n$ with $R^F = C_mF_{2m+1}$, wherein n is a natural number and m is a natural number including 0, or polymers with such fluorinated cage molecules as monomers, and which as a fuel contains a halophilic metal combining with fluorine in an exothermic reaction or such a metal alloy.